(Ω) PIONEER
The future of sound and vision.

Service Manual

SPEAKER SYSTEM

TZ-9LTD xc

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING
Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).
When servicing or handling circuit boards and other components which contain lead in in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

PARTS LIST OF PACKING

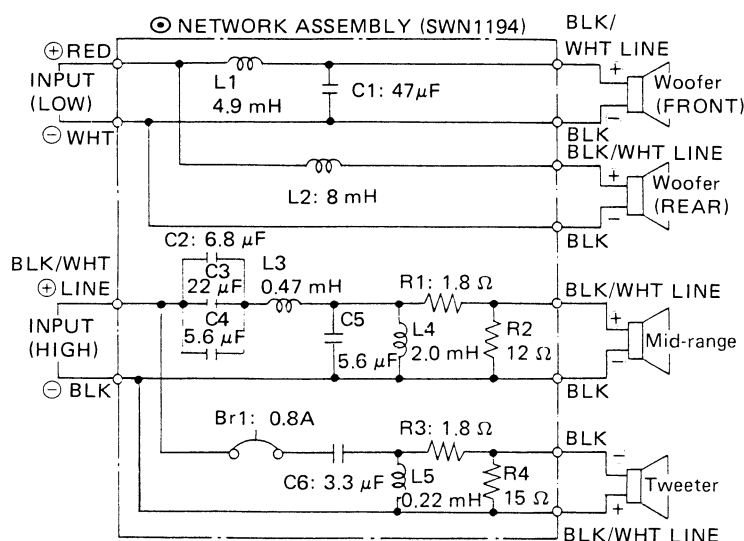| Mark	Part No.	Description
	183551	Packing case
	183635	Tray assembly
	183640	Protection mat
	183655	Poly bag
	183591	Packing case (Grille)
	143404	Poly bag (Grille)
	183600	Operating instructions

PARTS LIST OF EXPLODED

NOTES:
- *Parts without part number cannot be supplied.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "⊙" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

Mark	Part No.	Description
⊙	183571	Grille
	SWN1194	Network assembly
	SXB1037	Net assembly
	SXB1065	Joint bar assembly
	25-796A	Woofer (Front)
	25-797A	Woofer (Rear)
	DS-056A	Mid-range
	DT-040A	Tweeter
	SBA1090	Screw (For Back board)
	168512	Hexagonal bolt with hole (For Woofer)
	SNK1236	Hex screw cap { For Woofer (Front) }
	184301	Gasket (For Tweeter)

Mark	Part No.	Description
	SXB1039	Hexagonal bolt with hole assembly (For Tweeter)
	SXB1040	Hexagonal bolt with hole assembly (For Mid-range)
	167915	Screw (For Network)
	101599	Screw (For Input terminal)
	603416	+ Bind tapping screw (For Base)
	168007	Washer (For Base)
	WS120FZN	Spring washer (For Joint bar)
	WC120FMC	Flat washer (For Joint bar)
	183511	Damper pad (For Baffle board)

NETWORK AND PARTS LIST

Circuit Diagram

⊙ NETWORK ASSEMBLY (SWN1194)

NOTE of Br1
To protect the high tweeter from excessive input power and abnormal signals, an automatic-reset type protective device is installed.
When an excessive input is sent to the high tweeter, the protective device operates, and high range sounds cease to be produced. In this case, reduce the amplifier volume. The protective device will reset itself in about five — ten seconds.

Parts List

Mark	Symbol & Description	Part No.
	Screw	BMZ40P100BSN
	Terminal assembly (Red)	SKE1029
	Terminal assembly (Black)	SKE1030
	Short circuit	SET1006
	Escutcheon	SNK1125
	Damper A	SEB1046
	Damper B	SEB1047
C1	Capacitor (47 μF)	CES4NC470KJ
C3	Capacitor (22 μF)	CES4NC220KJ
C2	Capacitor (6.8 μF)	CF93UB685KD
C4	Capacitor (5.6 μF)	CF93TU565KD
C5	Capacitor (5.6 μF)	CF93UB565KD
C6	Capacitor (3.3 μF)	CF93GU335KA
L1	Chock coil (4.9 mH)	STH1061
L2	Chock coil (8 mH)	STH1062
L4	Chock coil (2.0 mH)	STH1063
L3	Chock coil (0.47 mH)	STH1109
L5	Chock coil (0.22 mH)	STH1065
R4	Resistor (15 Ω)	RT10AL150K
R1, R3	Resistor (1.8 Ω)	RT10AL1R8K
R2	Resistor (12 Ω)	RT10AL120K
Br1	Breaker (0.8A)	SSG-009
	Lead wire A (For Input (Low))	SDD1054
	Lead wire B (For Woofer)	SDD1055